Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204rxw

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 4	APR 07	STN is raising the limits on saved answers
NEWS 5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7	APR 28	CAS patent authority coverage expanded
NEWS 8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 10	MAY 08	STN Express, Version 8.4, now available
NEWS 11	MAY 11	STN on the Web enhanced
NEWS 12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:20:52 ON 02 JUN 2009

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 12:21:05 ON 02 JUN 2009

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 JUN 2009 HIGHEST RN 1151607-22-5
DICTIONARY FILE UPDATES: 1 JUN 2009 HIGHEST RN 1151607-22-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

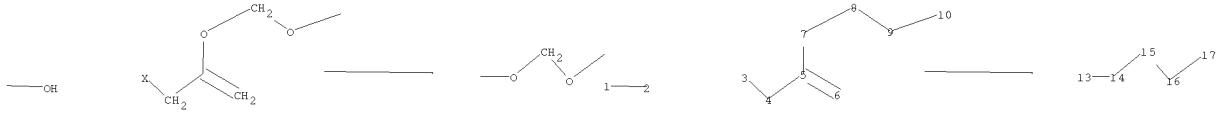
=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970

L1 SCREEN CREATED

=>
Uploading H:\STNEXP4\QUERIES\10567150.str



chain nodes :
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17
chain bonds :
1-2 3-4 4-5 5-6 5-7 7-8 8-9 9-10 13-14 14-15 15-16 16-17
exact/norm bonds :
1-2 5-7 9-10 13-14 16-17
exact bonds :

3-4 4-5 5-6 7-8 8-9 14-15 15-16

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
fragments assigned reactant role:
containing 1
containing 3
fragments assigned product role:
containing 13

L2   STRUCTURE UPLOADED

=> que L2 AND L1

L3   QUE L2 AND L1

=> d
L3 HAS NO ANSWERS
L1   SCR 970
L2   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L3   QUE L2 AND L1

=> file reaction
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.48   0.70

FILE 'CASREACT' ENTERED AT 12:21:36 ON 02 JUN 2009
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CHEMINFORMRX' ENTERED AT 12:21:36 ON 02 JUN 2009
COPYRIGHT (C) FIZ-CHEMIE BERLIN

FILE 'DJSMONLINE' ENTERED AT 12:21:36 ON 02 JUN 2009
COPYRIGHT (C) 2009 THOMSON REUTERS

FILE 'PS' ENTERED AT 12:21:36 ON 02 JUN 2009
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=> d his

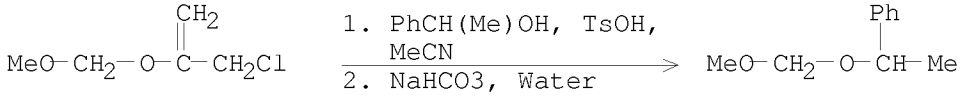
     (FILE 'HOME' ENTERED AT 12:20:52 ON 02 JUN 2009)

     FILE 'REGISTRY' ENTERED AT 12:21:05 ON 02 JUN 2009
L1   SCREEN 970
L2   STRUCTURE UPLOADED
L3   QUE L2 AND L1

     FILE 'CASREACT, CHEMINFORMRX, DJSMONLINE, PS' ENTERED AT 12:21:36 ON 02

JUN 2009

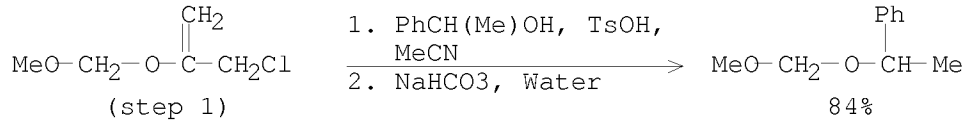
```
=> s l3
SAMPLE SEARCH INITIATED 12:21:48 FILE 'CASREACT'
SCREENING COMPLETE -     1481 REACTIONS TO VERIFY FROM       87 DOCUMENTS

100.0% DONE    1481 VERIFIED      18 HIT RXNS                      1 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:     27313 TO    31927
PROJECTED ANSWERS:               1 TO       79

SAMPLE SEARCH INITIATED 12:21:50 FILE 'CHEMINFORMRX'
SCREENING COMPLETE -       12 REACTIONS TO VERIFY FROM        6 DOCUMENTS

100.0% DONE      12 VERIFIED       0 HIT RXNS                      0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:        33 TO      447
PROJECTED ANSWERS:               0 TO        0

FULL SEARCH INITIATED 12:21:52 FILE 'DJSMONLINE'
SCREENING COMPLETE -       11 REACTIONS TO VERIFY FROM        9 DOCUMENTS

100.0% DONE      11 VERIFIED       1 HIT RXNS                      1 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 12:21:53 FILE 'PS'
SCREENING COMPLETE -        1 REACTIONS TO VERIFY FROM        1 DOCUMENTS

100.0% DONE       1 VERIFIED       0 HIT RXNS                      0 DOCS
SEARCH TIME: 00.00.01

L4           2 L3

=> d scan

L4   2 ANSWERS   DJSMONLINE  COPYRIGHT 2009 THE THOMSON CORP on STN
AN       2004:3038  DJSMONLINE
TI       PROTECTION OF ALCOHOLS AS METHOXYMETHYL ETHERS

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L4   2 ANSWERS   CASREACT  COPYRIGHT 2009 ACS on STN

TI   New efficient method of alkoxymethyl etherification of secondary alcohols
RX(1) OF 18
```



(step 1) 84%

```
ALL ANSWERS HAVE BEEN SCANNED
```

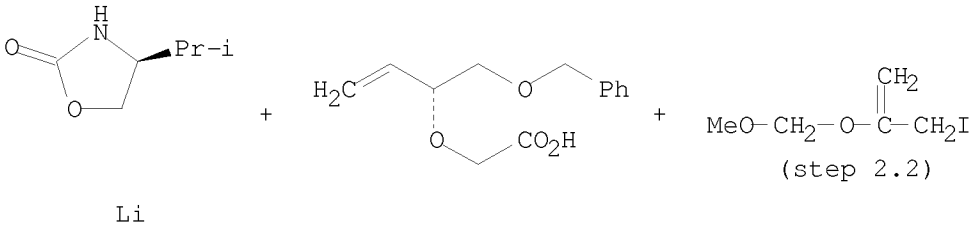
```
=> s l3 ful
FULL SEARCH INITIATED 12:23:39 FILE 'CASREACT'
SCREENING COMPLETE -    21095 REACTIONS TO VERIFY FROM     1308 DOCUMENTS

100.0% DONE   21095 VERIFIED      72 HIT RXNS                        4 DOCS
SEARCH TIME: 00.00.07

FULL SEARCH INITIATED 12:23:46 FILE 'CHEMINFORMRX'
SCREENING COMPLETE -      239 REACTIONS TO VERIFY FROM      101 DOCUMENTS

100.0% DONE     239 VERIFIED      12 HIT RXNS                        2 DOCS
SEARCH TIME: 00.00.03

FULL SEARCH INITIATED 12:23:49 FILE 'DJSMONLINE'
SCREENING COMPLETE -       11 REACTIONS TO VERIFY FROM        9 DOCUMENTS

100.0% DONE      11 VERIFIED       1 HIT RXNS                        1 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 12:23:50 FILE 'PS'
SCREENING COMPLETE -        1 REACTIONS TO VERIFY FROM        1 DOCUMENTS

100.0% DONE       1 VERIFIED       0 HIT RXNS                        0 DOCS
SEARCH TIME: 00.00.01

L5           7 L3

=> d 1-7

L5   ANSWER 1 OF 7  CASREACT  COPYRIGHT 2009 ACS on STN

RX(1) OF 18
```



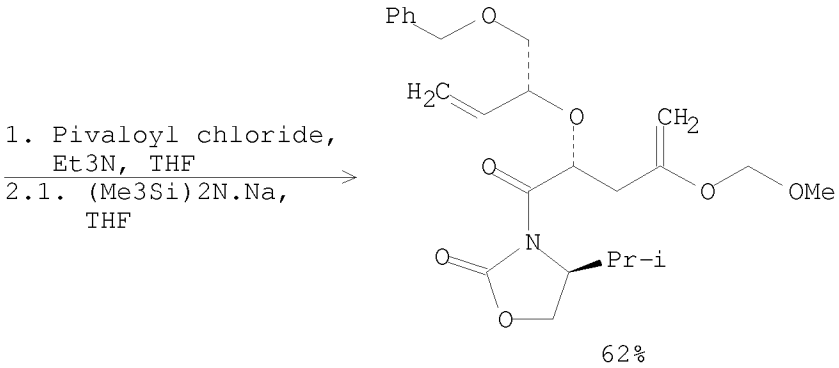
(step 1) 84%

```
REF:  Tetrahedron Letters, 45(30), 5795-5797;  2004
CON:  4 hours, room temperature


L5   ANSWER 2 OF 7  CASREACT  COPYRIGHT 2009 ACS on STN
```

RX(26) OF 200 - 2 STEPS



Li



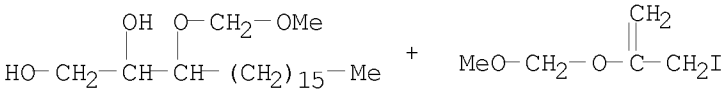
62%

REF: Heterocycles, 62,, 179-183; 2004

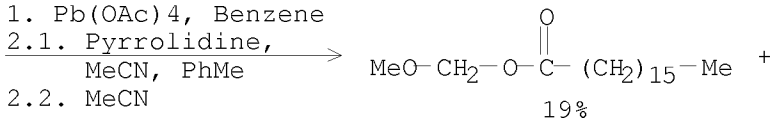
NOTE: 2) stereoselective
CON: STEP(2.1) -78 deg C
STEP(2.2) 1.5 - 2.5 hours, -78 deg C -> -45 deg C

L5 ANSWER 3 OF 7 CASREACT COPYRIGHT 2009 ACS on STN

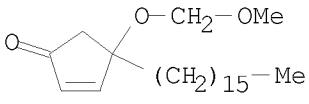
RX(26) OF 50 - 2 STEPS



(step 2.2)



19%

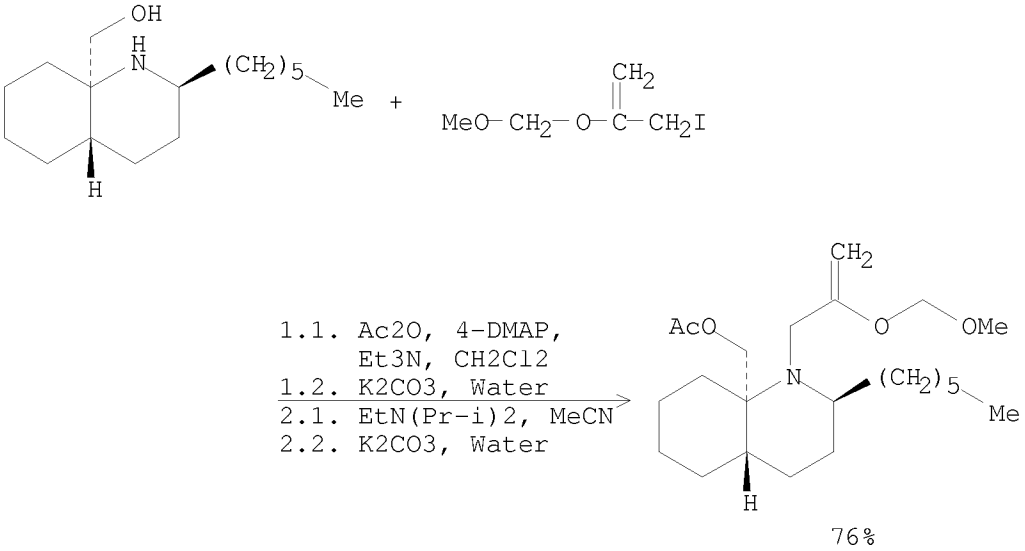


38%

REF: European Journal of Organic Chemistry, (14), 2585-2595; 2003
CON: STEP(1) 5 minutes, room temperature
STEP(2.1) 3 hours, 50 deg C
STEP(2.2) 18 hours, 80 deg C

L5 ANSWER 4 OF 7 CASREACT COPYRIGHT 2009 ACS on STN

RX(24) OF 180 - 2 STEPS

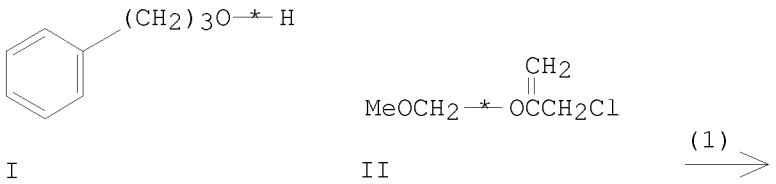


76%

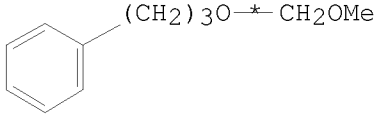
REF: Organic Letters, 4(3), 331-333; 2002
NOTE: 2) stereoselective

L5 ANSWER 5 OF 7 CHEMINFORMRX COPYRIGHT 2009 FIZ CHEMIE on STN
200445058 New Efficient Method of Alkoxymethyl Etherification of Secondary Alcohols. WATANABE, Y.; IKEMOTO, T. Cent. Res. Lab., Sumika Fine Chem. Co. Ltd., Osaka 555, Japan Tetrahedron Lett., 45(30), 5795-5797, (2004)
CODEN: TELEAY ISSN: 0040-4039 English

RX(1) OF 11 A + B ===> C



I II



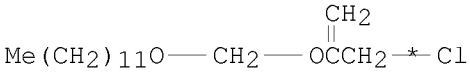
III
YIELD 51.0%

RX(1) RCT I, 9890 (122-97-4)
II, 295257 (105104-40-3)
SOL 6 (75-05-8), MeCN
CAT 517 (104-15-4), TosOH

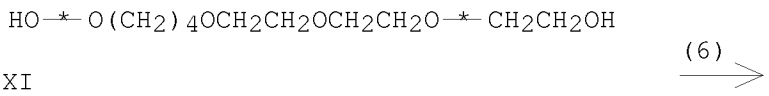
PRO III, 979142
YDS 51.0 %
T 25.0 Cel
TIM 2.0 hr
KW alkylation; O-alkylation; etherification
NTE reaction:I (II) -> III, example: 1

L5 ANSWER 6 OF 7 CHEMINFORMRX COPYRIGHT 2009 FIZ CHEMIE on STN
199110331 Preparation of New Acetal-Type Cleavable Surfactants from Epichlorohydrin. ONO, D.; MASUYAMA, A.; OKAHARA, M. Dep. Appl. Chem., Fac. Eng., Osaka Univ., Suita, Osaka 565, Japan J. Org. Chem., 55(14), 4461-4464, (1990)
CODEN: JOCEAH ISSN: 0022-3263 English

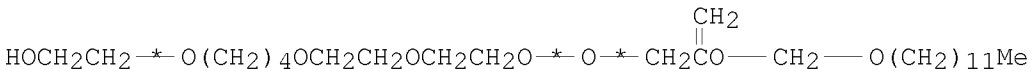
RX(6) OF 18 ...I + T ===> U



VI



XI

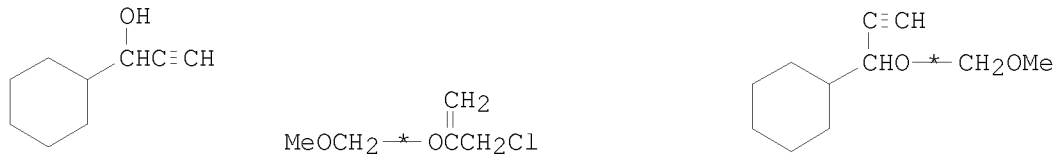


XII
YIELD 65.0%

RX(6) RCT VI, 134339 (127618-44-4)
XI, 134343
RGT 1159 (1310-73-2), NaOH
SOL 80 (123-91-1), dioxane
PRO XII, 134344
YDS 65.0 %
T 60.0 Cel
KW alkylation; O-alkylation; etherification
NTE reaction:VI (XI) -> XII

L5 ANSWER 7 OF 7 DJSMONLINE COPYRIGHT 2009 THOMSON REUTERS on STN
2004:3038 PROTECTION OF ALCOHOLS AS METHOXYMETHYL ETHERS Watanabe, Y.; Ikemoto, T. Tetrahedron Lett, 45(30), p.5795-7, (2004)
CODEN: TELEAY ISSN: 0040-4039 Journal VI: 30-12

RX(1) OF 1 A + B ===> C



A B C

YIELD 94.0%

RX(1) RCT A, 116081
B, 22881; 1.2 Eq.
SOL 18, MeCN
CAT 68, TsOH; Monohydrate, 0.5 mol.%
PRO C, 131727
T 25.0 Cel
TIM 2.0 hr
CMT Added to satd. aq. NaHCO3.
CMT Path A

=> d his

(FILE 'HOME' ENTERED AT 12:20:52 ON 02 JUN 2009)

FILE 'REGISTRY' ENTERED AT 12:21:05 ON 02 JUN 2009
L1 SCREEN 970
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1

FILE 'CASREACT, CHEMINFORMRX, DJSMONLINE, PS' ENTERED AT 12:21:36 ON 02 JUN 2009
L4 2 S L3
L5 7 S L3

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	445.94	446.64

FILE 'STNGUIDE' ENTERED AT 12:24:13 ON 02 JUN 2009
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 29, 2009 (20090529/UP).

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	446.85

STN INTERNATIONAL LOGOFF AT 12:26:14 ON 02 JUN 2009